UNITED STATES CRESTON JUNCTION QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 107°45′ 41°45′ 107°37′30″ 41°45′ 42'30" 31 32 34 36 33 35 T. 21 N. T. 21 N. T. 20 N. T. 20 N. 11 10 0 5 3 4 0 493 0416 0 342 0 354 14 18 17 42'30" 0 227 0 269 22 2610 26 27 33 34 T. 20 N. NOTE: Overburden isopachs are not drawn beyond those shown because of insufficient data. 0 230 0 177 Overburden isopach map of the Red Rim (F2) coal bed 9 10 12 0192 0 277 16 15 13 18 17 41°37′30″ 107°45′ (SEAVERSON RESERVOIR) 4467 II SW R. 92 W. R. 91 W. 107°37′30″ SCALE 1:24000 Compiled in 1978 Base from U.S. Geological Survey, 1966 1 KILOMETER WYOMING QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE CRESTON JUNCTION QUADRANGLE, SWEETWATER AND CARBON COUNTIES, WYOMING

BY DAMES & MOORE 1979 OPEN FILE REPORT 79-117

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EXPLANATION

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 50 feet (15.24 m) over strippable coal and 200 feet (60.96 m) beyond stripping-limit line.

INTERBURDEN ISOPACHS - Showing thicknesses of interburden, in feet, between upper and lower benches of the Cow Butte bed. Isopach interval is 25 feet (7.6 m).

0 354

DRILL HOLE - Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach).

CB - Cow Butte (D) of Upper Fort Union Coal Zone F2 - Red Rim (F2) of Lower Fort Union Coal

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCOOL Showing

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred.

TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located.

To convert feet to meters, multiply feet by 0.3048.

To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

PLATE 30

OVERBURDEN ISOPACH, INTERBURDEN
ISOPACH, AND MINING RATIO MAP OF THE
COW BUTTE (D) COAL BED
AND OVERBURDEN ISOPACH MAP
OF THE RED RIM (F2) COAL BED